

MILAN KACAR

AI Engineer | Data Scientist | Data Engineer

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ABOUT ME

AI-driven Software Engineer with over 5 years of experience in e-commerce and FinTech. Geodesy graduate from TU Graz with a strong foundation in mathematics, data analytics, and academic research.

PERSONAL INFORMATION

Date of birth 01.09.1995
 Birthplace Banja Luka, BA
 Citizenship Austrian

EDUCATION

BSc Geomatics Engineering
University of Technology, TU Graz
 2015 - 2019 Graz, Austria

Master's Degree Programme - Geodesy
University of Technology, TU Graz
 2019-2024 Graz, Austria

Master's Degree Programme - Computer Science
University of Technology, TU Graz
 2020-2024 Graz, Austria

WORK AND PERSONAL PROJECTS

- Data Integration & ETL** – Design and manage scalable ETL pipelines to unify and validate data across diverse systems, supporting reliable analytics at Niceshops GmbH and Gateway Ventures.
- Data Lakes & Warehousing** – Spearheaded the development of a centralized data lake architecture at Gateway Ventures. Currently lead the maintenance and optimization of the Niceshops data warehouse, ensuring fast and secure access to critical business data.
- Business Analytics & Forecasting** – Generate strategic insights by integrating data from GA4, Facebook, TikTok, and internal tools to monitor trends, forecast demand, and support executive decision-making.
- Dashboards & Looker Enablement** – Build dynamic dashboards in Looker and other BI platforms to automate reporting for various departments. Completed advanced Looker training and now lead in-house workshops to empower teams with self-service analytics capabilities.
- AI Solutions for Business Optimization** – Develop AI-driven tools and predictive models to identify operational inefficiencies, improve product strategies, and drive measurable business outcomes across functions.
- Cross-Functional Data Consulting** – Collaborate closely with marketing, sales, logistics, and finance teams to deliver customized analytical solutions, bridging technical and business needs in a data analyst capacity.
- Anomaly Detection & Pattern Recognition** – Apply statistical and ML techniques to detect anomalies, uncover hidden patterns, and optimize workflows in high-volume datasets.
- Technical Blog & Thought Leadership** – Author a personal blog focused on programming, AI, mathematics, finance, and LeetCode problems, showcasing problem-solving skills and a passion for continuous learning.

TECHNICAL STRENGTH

Python	●●●●●
Google Cloud	●●●●●
C/C++	●●●●●
GIS	●●●●●
PostgreSQL	●●●●●
AWS	●●●●●
Navigation	●●●●●
GNSS	●●●●●
Signal Processing	●●●●●
Java	●●●●●
Data Structures & Algorithms	●●●●●
MySQL	●●●●●
Docker	●●●●●
Java Script	●●●●●
PHP	●●●●●
Linux	●●●●●
R	●●●●●
Apache Spark	●●●●●
Kubernetes	●●●●●
Databricks	●●●●●
Scala	●●●●●
Looker	●●●●●

DISSERTATION WORK

BSc Thesis

Database for cycling routes

- Entity Relationship Diagram.
- Building the Database.
- Conversion from analog to digital maps.

MSc Thesis

PV (Photovoltaic) panels detection from satellite images

- Project uses AI (Artificial intelligence) and ML (Machine learning) as a hybrid approach to detect panels.
- Building an independent model to work on different datasets.
- Cloud computing
- YOLOv5

WORK EXPERIENCE

Survey Engineer

GEODATA

📅 July 2019 - December 2020 📍 Semmering Basistunnel, Austria

Tunnel surveying | 3D Laser scanner measurements

Teaching Assistant

TU Graz

📅 March 2021 - January 2022 📍 Graz, Austria

Integrated navigation | Sensor fusion | Indoor navigation

Software Engineer

TU Graz

📅 Sep 2019 - January 2022 📍 Graz, Austria

Software Architect | Project Management | Automation | Data Analysis | ML Forecasting | Statistics | Automotive Battery and Electric Vehicle Testing

Data Scientist & Data Engineer

niceshops GmbH

📅 January 2021 - pending 📍 Vienna, Austria

Finances (all types of tasks) analysis | Data Engineering | Large scale data crawling | Cloud computing | GCP | Looker | AI & ML tasks | Courses inside the house / teaching (Looker) | Research about demand forecasting |

Data Engineer / TL

Gateway Ventures GmbH

📅 August 2023 - pending 📍 Vienna, Austria

Startup Founding | Startup Valuation models | Pitch Deck Analyzer | Tinder for Investors/Startups | Data Lake construction | Data Mining | Data Scraping | Project Management | Investor matchmaking tool

STRENGTHS

- Hard-working
- Decision Making
- Ability to Work Under Pressure
- Motivator & Leader
- Conflict Resolution
- Time Management
- Target oriented
- Able to travel
- Flexibility and Adaptability
- Problem solver

LANGUAGES

Serbian | Croatian | Bosnian ●●●●●●

English ●●●●●●

German ●●●●●●

Russian ●●●●●●

HOBBIES

- 📖 **Reading**
I am trying to read a book per week.
- 🎨 **Sports Addict**
At a young age I enjoyed playing tennis, but my interests migrated towards Fitness and healthy food.
- ✈️ **Travelling**
After living in a rustic, small town for the past 18 years, I was craving change and adventure. Ten years later, I've traveled to more places during college than the first two decades of my life.
- 📈 **Trading**
I love to analyze the markets and factors that may impact the price on daily/weekly and long term basis.